Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	10/11/2017 09:27 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/17/2017 11:48 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	122999	-2	1.64	122877	1.60
Blue	F	SSC	125000	124099	-1	3.27	124362	2.98
Blue	E	FITC	23795	22999	-4	2.66	1029	10.63
Blue	D	PE	29673	29116	-2	2.25	1050	9.67
Blue	B	PerCP-Cy5-5	48943	47886	-3	3.58	1369	17.12
Blue	A	PE-Cy7	44112	43836	-1	5.25	675	35.91
Red	C	APC	54273	52829	-3	2.87	3037	9.75
Red	A	APC-Cy7	54945	54472	-1	2.84	1124	11.42
Violet	B	V450	15756	15060	-5	4.15	723	9.08
Violet	A	V500	62569	60416	-4	3.98	2682	6.68

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19187	3.25	608	-6	N/A	N/A	Pass
Blue	F	SSC	61434	1.68	546	0	N/A	N/A	Pass
Blue	E	FITC	114	39.20	546	-4	0.0191	113	Pass
Blue	D	PE	228	29.14	544	-2	0.1697	267	Pass
Blue	B	PerCP-Cy5-5	214	44.57	633	-6	0.0098	62	Pass
Blue	A	PE-Cy7	73	119.14	690	-9	0.0116	13	Pass
Red	C	APC	353	28.10	601	1	0.0190	32	Pass
Red	A	APC-Cy7	123	40.18	580	-4	0.0053	1262	Pass
Violet	B	V450	89	41.27	469	-3	0.0456	1836	Pass
Violet	A	V500	196	22.97	496	-3	0.0134	313	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.40	-31.79	0.92
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.32
Red	17.68	13.27 - 19.91	N/A	N/A	31.68	32.18	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 11911

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments